

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/612,661ADATE: 12/19/97  
TIME: 15:49:07

INPUT SET: S22226.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

#18

## SEQUENCE LISTING

ENTERED

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: Christensen, Leif  
6 Frydenlund Hansen, Henrik  
7 Nielsen, Peter E  
8  
9 (ii) TITLE OF INVENTION: Substituted Nucleic Acid Mimics  
10  
11 (iii) NUMBER OF SEQUENCES: 10  
12  
13 (iv) CORRESPONDENCE ADDRESS:  
14 (A) ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris  
15 (B) STREET: One Liberty Place 46th. Floor  
16 (C) CITY: Philadelphia  
17 (D) STATE: PA  
18 (E) COUNTRY: USA  
19 (F) ZIP: 19103  
20  
21 (v) COMPUTER READABLE FORM:  
22 (A) MEDIUM TYPE: 3.5 inch disk, 1.44 Mb  
23 (B) COMPUTER: IBM PC compatible  
24 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
25 (D) SOFTWARE: WordPerfect 6.1  
26  
27 (vi) CURRENT APPLICATION DATA:  
28 (A) APPLICATION NUMBER: US 08/612,661  
29 (B) FILING DATE: 08-MAR-1996  
30 (C) CLASSIFICATION:  
31  
32 (viii) ATTORNEY/AGENT INFORMATION:  
33 (A) NAME: Caldwell, John W  
34 (B) REGISTRATION NUMBER: 28,937  
35 (C) REFERENCE/DOCKET NUMBER: ISIS-2169  
36  
37 (ix) TELECOMMUNICATION INFORMATION:  
38 (A) TELEPHONE: 215-568-3100  
39 (B) TELEFAX: 215-568-3439  
40  
41  
42 (2) INFORMATION FOR SEQ ID NO:1:  
43  
44 (i) SEQUENCE CHARACTERISTICS:  
45 (A) LENGTH: 10 bases  
46 (B) TYPE: nucleic acid

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47 (C) STRANDEDNESS: single  
48 (D) TOPOLOGY: linear  
49  
50 (ii) MOLECULE TYPE: DNA (genomic)  
51  
52 (iii) HYPOTHETICAL: NO  
53  
54 (iv) ANTI-SENSE: YES  
55  
56 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
57  
58 AAAAGGAGAG 10  
59  
60  
61 (2) INFORMATION FOR SEQ ID NO:2:  
62  
63 (i) SEQUENCE CHARACTERISTICS:  
64 (A) LENGTH: 10 bases  
65 (B) TYPE: nucleic acid  
66 (C) STRANDEDNESS: single  
67 (D) TOPOLOGY: linear  
68  
69 (ii) MOLECULE TYPE: DNA (genomic)  
70  
71 (iii) HYPOTHETICAL: NO  
72  
73 (iv) ANTI-SENSE: YES  
74  
75 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
76  
77 GAGAGGAAAA 10  
78  
79  
80  
81 (2) INFORMATION FOR SEQ ID NO:3:  
82  
83 (i) SEQUENCE CHARACTERISTICS:  
84 (A) LENGTH: 10 bases  
85 (B) TYPE: nucleic acid  
86 (C) STRANDEDNESS: single  
87 (D) TOPOLOGY: linear  
88  
89 (ii) MOLECULE TYPE: PNA  
90  
91 (iii) HYPOTHETICAL: NO  
92  
93 (iv) ANTI-SENSE: YES  
94  
95 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
96  
97 TTTTCCTCTC 10  
98  
99

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100

101

102 (2) INFORMATION FOR SEQ ID NO:4:

103

104 (i) SEQUENCE CHARACTERISTICS:

105 (A) LENGTH: 10 bases

106 (B) TYPE: nucleic acid

107 (C) STRANDEDNESS: single

108 (D) TOPOLOGY: linear

109

110 (ii) MOLECULE TYPE: PNA

111

112 (iii) HYPOTHETICAL: NO

113

114 (iv) ANTI-SENSE: YES

115

116 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

117

118

119 TTTTCNTCTC

10

120

121

122

123 (2) INFORMATION FOR SEQ ID NO:5:

124

125 (i) SEQUENCE CHARACTERISTICS:

126 (A) LENGTH: 10 bases

127 (B) TYPE: nucleic acid

128 (C) STRANDEDNESS: single

129 (D) TOPOLOGY: linear

130

131 (ii) MOLECULE TYPE: PNA

132

133 (iii) HYPOTHETICAL: NO

134

135 (iv) ANTI-SENSE: YES

136

137 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

138

139

140 TTTTCNTNTC

10

141

142

143

144 (2) INFORMATION FOR SEQ ID NO:6:

145

146 (i) SEQUENCE CHARACTERISTICS:

147 (A) LENGTH: 10 bases

148 (B) TYPE: nucleic acid

149 (C) STRANDEDNESS: single

150 (D) TOPOLOGY: linear

151

152 (ii) MOLECULE TYPE: PNA

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153
154      (iii) HYPOTHETICAL: NO
155
156      (iv) ANTI-SENSE: YES
157
158      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
159
160      TTTTNNCTCTC                                     10
161
162
163
164      (2) INFORMATION FOR SEQ ID NO:7:
165
166          (i) SEQUENCE CHARACTERISTICS:
167              (A) LENGTH: 10 bases
168              (B) TYPE: nucleic acid
169              (C) STRANDEDNESS: single
170              (D) TOPOLOGY: linear
171
172          (ii) MOLECULE TYPE: DNA (genomic)
173
174          (iii) HYPOTHETICAL: NO
175
176          (iv) ANTI-SENSE: YES
177
178          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
179
180
181      GTAGGTCACT                                     10
182
183
184
185
186      (2) INFORMATION FOR SEQ ID NO:8:
187
188          (i) SEQUENCE CHARACTERISTICS:
189              (A) LENGTH: 10 bases
190              (B) TYPE: nucleic acid
191              (C) STRANDEDNESS: single
192              (D) TOPOLOGY: linear
193
194          (ii) MOLECULE TYPE: DNA (genomic)
195
196          (iii) HYPOTHETICAL: NO
197
198          (iv) ANTI-SENSE: YES
199
200          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
201
202      GTAGATCACT                                     10
203
204
205      (2) INFORMATION FOR SEQ ID NO:9:
```

RAW SEQUENCE LISTING  
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206  
207 (i) SEQUENCE CHARACTERISTICS:  
208 (A) LENGTH: 10 bases  
209 (B) TYPE: nucleic acid  
210 (C) STRANDEDNESS: single  
211 (D) TOPOLOGY: linear  
212  
213 (ii) MOLECULE TYPE: PNA  
214  
215 (iii) HYPOTHETICAL: NO  
216  
217 (iv) ANTI-SENSE: YES  
218  
219 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
220  
221 AGTCACCTAC  
222  
223  
224  
225 (2) INFORMATION FOR SEQ ID NO:10:  
226  
227 (i) SEQUENCE CHARACTERISTICS:  
228 (A) LENGTH: 10 bases  
229 (B) TYPE: nucleic acid  
230 (C) STRANDEDNESS: single  
231 (D) TOPOLOGY: linear \*  
232  
233 (ii) MOLECULE TYPE: PNA  
234  
235 (iii) HYPOTHETICAL: NO  
236  
237 (iv) ANTI-SENSE: YES  
238  
239 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
240  
241  
242 AGTCANCTAC  
243  
244

10

10

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/612,661A**

DATE: 12/19/97  
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Line

Error

Original Text